

**METHODS FOR MODULATING T CELL UNRESPONSIVENESS****Abstract**

5           Methods for modulating antigen-specific T cell unresponsiveness which involve  
inhibiting or stimulating an unresponsive T cell through a cell surface receptor, CD2, are  
disclosed. Agents which inhibit stimulation of an unresponsive T cell through a CD2 surface  
receptor are useful therapeutically in situations where it is desirable to inhibit an immune  
10           response to an antigen(s), for example in organ or bone marrow transplantation and  
autoimmune diseases. Methods for reversing T cell unresponsiveness by contacting the T  
cell with an agent which stimulates the T cell through a CD2 surface receptor are useful  
therapeutically to stimulate an immune response to an antigen(s). For example, the method is  
useful to stimulate an anti-tumor response in a subject with a tumor or stimulate a response  
15           against a pathogenic agent or increase the efficacy of vaccination.